

WHAT IS CLAIMED IS:

1. A voltage boost system comprising:
a load device including a pair of terminals;
5 a power supply for generating a first potential; and
a voltage booster connected to the power supply for
generating a second potential by boosting the first
potential, wherein the second potential is provided to one
of the pair of the terminals of the load device, and the
10 first potential is provided to another one of the pair of
the terminals of the load device.

2. The voltage boost system according to claim 1,
wherein the load device is provided with an offset voltage
15 functioning as the first potential.

3. The voltage boost system according to claim 1,
wherein the voltage booster includes a charge pump circuit
operated based on a clock signal.
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4. The voltage boost system according to claim 1,
wherein the first potential is greater than a ground
potential.

25 5. An image sensing apparatus comprising:
a solid-state image sensing apparatus for accumulating
charges in correspondence with an object image and
transferring the accumulated charges;
a drive circuit connected to the solid-state image
30 sensing apparatus for driving the solid-state image sensing
apparatus so that the solid-state image sensing apparatus
accumulates charges for a predetermined time and transfers
the accumulated charges;

an output circuit connected to the solid-state image sensing apparatus for generating an image sensing signal from the charges transferred by the solid-state image sensing apparatus, wherein the output circuit has a pair of
5 terminals;

a power supply for generating a first potential; and

a voltage booster connected to the power supply for generating a second potential by boosting the first potential, wherein one of the pair of the terminals is
10 provided with the second potential of the voltage booster, and another one of the pair of the terminals is provided with the first potential of the power supply.

6. The image sensing apparatus according to claim 5,
15 wherein the solid-state image sensing apparatus has a horizontal scanning period or a vertical scanning period, and the voltage booster performs a boost operation during a blanking period in the horizontal scanning period or the vertical scanning period.

20 7. The image sensing apparatus according to claim 5, wherein the voltage booster includes a charge pump circuit operated based on a clock signal.

25 8. The image sensing apparatus according to claim 5, wherein the first potential is greater than a ground potential.